

Q6

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```
library(knitr)
library(twitter)
consumer_key = "dOLrbYfXjbDo7f7IZ3MFFDF4E"
consumer_secret = "GKbWkDANMboESv0YwvSSZKWivvbiyEzhzZxroDIODYlthrK0Gz"
access_token = "1050995496381120513-8E1z4xtsUYmNTjTRZCRLN4WYMkJjyZ"
access_secret = "bAGtoWn9wR0EUKPybvr7yhK0FFaFJNRviV2LINV06pgRp"
setup_twitter_oauth(consumer_key, consumer_secret,
access_token, access_secret)
```

```
## [1] "Using direct authentication"
```

```
KS = userTimeline("kennedystewart", n=3200, includeRts = TRUE)
mayor = twListToDF(KS)
```

a.

```
library(stringr)
```

```
## Warning: package 'stringr' was built under R version 3.5.2
```

```
tweet=mayor$text
handle=str_match(tweet, "@\\w+")
hashtag=str_match(tweet, "#\\w+")
handle=na.omit(handle)
hashtag=na.omit(hashtag)
```

b.

```
library(wordcloud)
```

```
## Loading required package: RColorBrewer
```

```
library(RColorBrewer)
freq=table(handle)
layout(matrix(c(1, 2), nrow=2), heights=c(1, 4))
par(mar=rep(0, 4))
plot.new()
text(x=0.5, y=0.25, "Handles in Tweets @kennedystewart")
wordcloud(names(freq), freq, min.freq = 2, rot.per = 0.15,
colors=brewer.pal(8, "Dark2"), random.order = FALSE, scale=c(1,0.3))
```

[illegible]

```
freq=table(hashtag)
layout(matrix(c(1, 2), nrow=2), heights=c(1, 4))
par(mar=rep(0, 4))
plot.new()
text(x=0.5, y=0.25, "Hashtags in Tweets @kennedystewart")
wordcloud(names(freq), freq, min.freq = 1, rot.per = 0.35,
colors=brewer.pal(8, "Dark2"), random.order = FALSE, scale=c(4,0.3))
```

[illegible]